

JAMPALA RISHI KRISHNA

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Place: Hyderabad, India

PROFESSIONAL SUMMARY

Dedicated and forward-thinking Computer Science graduate specializing in Software Development and Data Science. Adept at applying technical expertise to drive impactful results. Eager to contribute to a dynamic and challenging work environment that fosters continuous learning and growth.

EDUCATION

- **Vidya Jyothi Institute of Technology December 2020 - Present**
Bachelor of Technology in CSE(DS) **CGPA: 8.9**
- **Narayana Junior College** **July 2018 - May 2020**
Telangana State Board of Intermediate Education **Percentage: 88.4**
- **Holy Angels High School** **July 2017 - May 2018**
Telangana State Board of Secondary Education **GPA: 9.7**

INTERNSHIP EXPERIENCE

Accenture Data Analytics and Visualization Job Simulation on Forage Feb 2023 - March 2023

- Completed a simulation focused on advising a hypothetical social media client as a Data Analyst at Accenture. **Cleaned, modelled and analyzed 7 datasets to uncover insights into content trends to inform strategic decision.** Prepared a PowerPoint deck and video presentation to communicate key insights for the client and internal stakeholders.
- Technologies and tools: **Data Modeling, Seaborn, Data Analysis.**

J.P. Morgan Software Engineering Virtual Experience on Forage Jan 2023 - March 2023

- Set up a local dev environment by downloading the necessary files, tools and dependencies. Fixed broken files in the repository to make web application output correctly. **Used JPMorgan Chase's open-source library called Perspective** to generate a live graph that displays a data feed in a clear and visually appealing way for traders to monitor.
- Technologies and tools: **GIT, Python, ReactJS, Typescript, Webpages.**

PROJECTS

Land Use Land Cover Classification of Hyderabad Region using Satellite images.

- Implemented a **Machine Learning** model for accurately classifying different LULC details using optical satellite imagery using **ResNet50** Algorithm. Classified LULC map provides information about distribution and composition of different land use and land cover types in the Hyderabad region.
- The generated LULC map can be utilized for urban planning, environmental monitoring and sustainable development initiatives in Hyderabad region.
- **Technologies and Tools:** Python, Jupyter Notebook, Google Earth Engine (GAE), Artificial Neural Network, NumPy, Pandas, Matplotlib, Spectral Bands (Visible Bands such as RGB).

Driver Safety System

- It is a **Machine Learning** model in which it detects the signs of drowsiness of the driver and make corresponding decisions to make the driver alert and developed by using **MobileNet algorithm with 94% of accuracy.**

The system aims to detect and alert drivers by using alarm when drivers exhibit signs of drowsiness, ensuring their timely intervention and preventing potential accidents.

- Technologies and Tools: **Python, Pytorch, Haar-Cascade Classifier.**

SKILLS

- **Languages:** Proficient in C, Java, Python, R, HTML and CSS.
- **Frameworks and Libraries:** NumPy, Pandas, Matplotlib, Seaborn, Streamlit and Hadoop.
- **Tools:** Hands-on experience in Tableau, Cloudera, Excel, GIT, and GitHub.
- **Databases:** Strong grasp of MySQL, RDBMS, and data base management.
- **CS Fundamentals:** Object Oriented Programming, SDLC, Operating System, Computer Networks, Agile Model, Cloud Computing (AWS, Azure), CRM, SCM, and ML&DL algorithms
- Strong Problem-Solving skills, Time Management, Team Work, Public Speaking.

CERTIFICATIONS

- Programming essentials in **C** by **CISCO Netacad.**
- Programming essentials in **Python** by **CISCO Netacad, HackerRank Certified.**
- Database Programming with **SQL** by **ORACLE Academy.**
- **Java** Programming by **Udemy.**
- **Data Analytics** Certified by **Google.**
- **AWS** certified in **Machine Learning.**
- **Data Science** Foundation by **University of Michigan.**
- **Cloud Computing** Foundations by **AWS.**
- Microsoft Azure AI class room fundamentals by **Microsoft.**

ACHIEVEMENTS

- Received Fund from **IIT Hyderabad** for developing **Driver Safety System Project**
- Winner at Project Expo (CONTRIVE-2023).
- One of the Top 3 teams at **JNTUH J-HUB** Hackathon League.
- **Proven as a team leader** by steering victories in diverse events and hackathons, consistently achieving excellence and **success with my team.**

EXTRA CURRICULAR ACTIVITIES

- Solved 50+ problems in various coding platforms - GeeksForGeeks, Leetcode.
- Elected as **vise lead of Computer Vision Club** for the tenure 2023-2024.
- Organized many Technical events at intra college level.
- Participated and served many people through social events.